

ABSTRACT

A integrated camera module (10, 10a) for capturing video images in very small digital
5 cameras, cell phones, personal digital assistants, and the like. A lens assembly (24, 24a) is
rigidly affixed in relation to a sensor array area (14) of a camera chip (12) by a molding (26).
The molding (26) is formed on the camera chip (12), and optionally on a printed circuit board
(16, 16a) on which the camera chip (12) is mounted. The lens assembly (24, 24a) is held in place
in a recess (29) of the molding (26) by an adhesive (28). The molding (26) is formed such that a
10 precise gap (30) exists between the lens assembly (24) and a sensor array area (14) of the
camera chip (12).